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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,132	03/31/2004	Satoshi Aoyagi	107439-00112	3723
4372	7590	04/03/2009	EXAMINER	
ARENT FOX LLP			WILLS, MONIQUE M	
1050 CONNECTICUT AVENUE, N.W.				
SUITE 400			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036			1795	
			NOTIFICATION DATE	DELIVERY MODE
			04/03/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DCIPDocket@arentfox.com
IPMatters@arentfox.com
Patent_Mail@arentfox.com

Office Action Summary	Application No.	Applicant(s)	
	10/813,132	AOYAGI ET AL.	
	Examiner	Art Unit	
	Monique M. Wills	1795	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 09 December 2008.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-4 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 31 March 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1.) Certified copies of the priority documents have been received.
 2.) Certified copies of the priority documents have been received in Application No. _____.
 3.) Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____.	6) <input type="checkbox"/> Other: _____ .

DETAILED ACTION

Response to Amendment

This Office Action is responsive to the Amendment filed December 9, 2008. The rejection of claims 1-4 under 35 U.S.C. 103(a) as being unpatentable over Grieve et al. U.S. Pub. 2002/0136939 in view of Laceky U.S. Pat. 7,275,501. However, claims 1-4 are newly rejected as follows:

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Fuglevand et al. U.S. Patent 6,428,918.

Fuglevand teaches a method of controlling a fuel cell system (abstract). The fuel cell power source system comprising: a fuel cell for supplying electric power to a load 9col. 16, lines 60-65); an electric power storage device for assisting supply of electric power to the load (col. 16, lines 10-25); and a switching device disposed between said fuel cell and said capacitor, for switching connection or disconnection of

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said fuel cell with said capacitor (col. 16, lines 10-25),; and a control device (102) for controlling said switching device 9col. 16, lines 10-25); wherein when said fuel cell is being connected to said capacitor, said control device detects the voltage difference between a voltage of the capacitor and a voltage of the fuel cell, and when the voltage difference is larger than a predetermined value, said control device executes a chopping control of the switching device (col. 15, lines 25-35 & col. 17, lines 60-65). The control device also controls the connecting device so as to limit an amount of a current flowing from said fuel cell to said capacitor 9col. 16, lines 1-25).

Therefore, Fuglevand anticipates the instant claims.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fuglevand U.S. Pat. 6,428,918.

Fuglevand teaches a fuel cell power system as described in the rejection recited hereinabove. However, the reference does not expressly disclose connecting the fuel to the capacitor after the fuel cell has been activated or precharge circuits.

However, it would have been obvious to one of ordinary skill in the art at the time the instant invention was made to employ primary precharge circuits downstream of the capacitor and fuel cell of Fuglevand, to regulate and optimize fuel cell conditions prior to activation.

With respect to the connecting fuel to the capacitor after the fuel cell has been activated, it would have been obvious to employ the instant arrangement, it is well within the artisan's skill to manipulate connection order to maximize operating efficiency.

Response to Arguments

Applicant's arguments, with respect to the English translation of the Japanese Patent Application 2000-176030 have been fully considered and are persuasive. The rejection of claims 104 under 103(a) in view of Grieve '939 and Laceky '501 has been withdrawn.

Conclusions

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Monique Wills whose telephone number is (571)

272-1309. The Examiner can normally be reached on Monday-Friday from 8:30am to 5:00 pm.

If attempts to reach Examiner by telephone are unsuccessful, the Examiner's supervisor, Patrick Ryan, may be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Monique M Wills/
Examiner, Art Unit 1795

/PATRICK RYAN/
Supervisory Patent Examiner, Art Unit 1795